

IN THE CLAIMS:

1. (Original) An optical switch comprising:

an incident side light transmitting member constructed by plural incident side optical fibers;

an emitting side light transmitting member constructed by plural emitting side optical fibers respectively arranged so as to be opposed to the respective incident side optical fibers;

at least one preliminary optical fiber function as one of the incident side optical fiber and the emitting side optical fiber;

reflection means moved so as to be positioned with respect to one of the optical fibers and able to transmit an optical signal between the preliminary optical fiber and the other optical fibers by reflecting the optical signal; and

driving means for moving the reflection means so as to be able to position the reflection means with respect to one of the optical fibers.

2. (Original) An optical switch comprising:

plural incident side optical fibers;

plural main emitting side optical fibers respectively arranged so as to be opposed to the respective incident side optical fibers, and a single preliminary emitting side optical fiber;

reflection means for reflecting an optical signal from one of the incident side optical fibers to the preliminary emitting side optical fiber; and

driving means for moving the reflection means with respect to one of the respective incident side optical fibers.

3. (Original) An optical switch comprising:

plural main incident side optical fibers and a single preliminary incident side optical fiber;

plural emitting side optical fibers respectively arranged so as to be opposed to the respective main incident side optical fibers;

reflection means for reflecting an optical signal from the preliminary incident side optical fiber to one of the emitting side optical fibers; and

driving means for moving the reflection means with respect to one of the respective emitting side optical fibers.

4. - 8. (Cancelled)

9. (Currently Amended) The optical switch according to claim 1 ~~any one of claims 1 to 8~~, wherein said driving means can escape the reflection means until a position for interrupting no optical path between the incident side optical fiber and the emitting side optical fiber in moving the reflection means.

10. (Currently Amended) The optical switch according to claim 1 ~~any one of claims 1 to 9~~, wherein said driving means is constructed by a stepping motor or a voice coil motor.

11. (Currently Amended) The optical switch according to claim 1 ~~any one of claims 1 to 10~~, wherein a lens array for integrating said optical fibers and having a collimator lens for setting light emitted or incident to each optical fiber to parallel light is arranged.

12. (Currently Amended) The optical switch according to claim 1 ~~any one of claims 1 to 11~~, wherein said reflection means and said preliminary emitting side optical fiber can be integrally moved.

13. (Currently Amended) The optical switch according to claim 1 ~~any one of claims 1 to 12~~, wherein said reflection means is constructed by a reflection face formed by press working in one end portion of a bar material by a metal, press working in one end portion of a bar material manufactured by glass, or injection molding processing.

14. (Currently Amended) An optical switch unit characterized in that the optical switch according to claim 1 ~~any one of claims 1 to 13~~ and control means for controlling the operation of said driving means are stored into a single casing.

15. (New) The optical switch according to claim 2, wherein said driving means can escape the reflection means until a position for interrupting no optical path between the incident side optical fiber and the emitting side optical fiber in moving the reflection means.

16. (New) The optical switch according to claim 2, wherein said driving means is constructed by a stepping motor or a voice coil motor.

17. (New) The optical switch according to claim 2, wherein a lens array for integrating said optical fibers and having a collimator lens for setting light emitted or incident to each optical fiber to parallel light is arranged.

18. (New) The optical switch according to claim 2, wherein said reflection means and said preliminary emitting side optical fiber can be integrally moved.

19. (New) The optical switch according to claim 2, wherein said reflection means is constructed by a reflection face formed by press working in one end portion of a bar material by a metal, press working in one end portion of a bar material manufactured by glass, or injection molding processing.

20. (New) An optical switch unit characterized in that the optical switch according to claim 2 and control means for controlling the operation of said driving means are stored into a single casing.

21. (New) The optical switch according to claim 3, wherein said driving means can escape the reflection means until a position for interrupting no optical path between the incident side optical fiber and the emitting side optical fiber in moving the reflection means.

22. (New) The optical switch according to claim 3, wherein said driving means is constructed by a stepping motor or a voice coil motor.

23. (New) The optical switch according to claim 3, wherein a lens array for integrating said optical fibers and having a collimator lens for setting light emitted or incident to each optical fiber to parallel light is arranged.

24. (New) The optical switch according to claim 3, wherein said reflection means and said preliminary emitting side optical fiber can be integrally moved.

25. (New) The optical switch according to claim 3, wherein said reflection means is constructed by a reflection face formed by press working in one end portion of a bar material by a metal, press working in one end portion of a bar material manufactured by glass, or injection molding processing.

26. (New) An optical switch unit characterized in that the optical switch according to claim 3 and control means for controlling the operation of said driving means are stored into a single casing.